

dinner

Aquaponics

Raising Fish and Plants  
Symbiotically



University of the Virgin Islands



Aquaponics 6/08 Virgin Islands





guru of aquaponics  
prof. jim rakocy (and brewster)



experimental research station





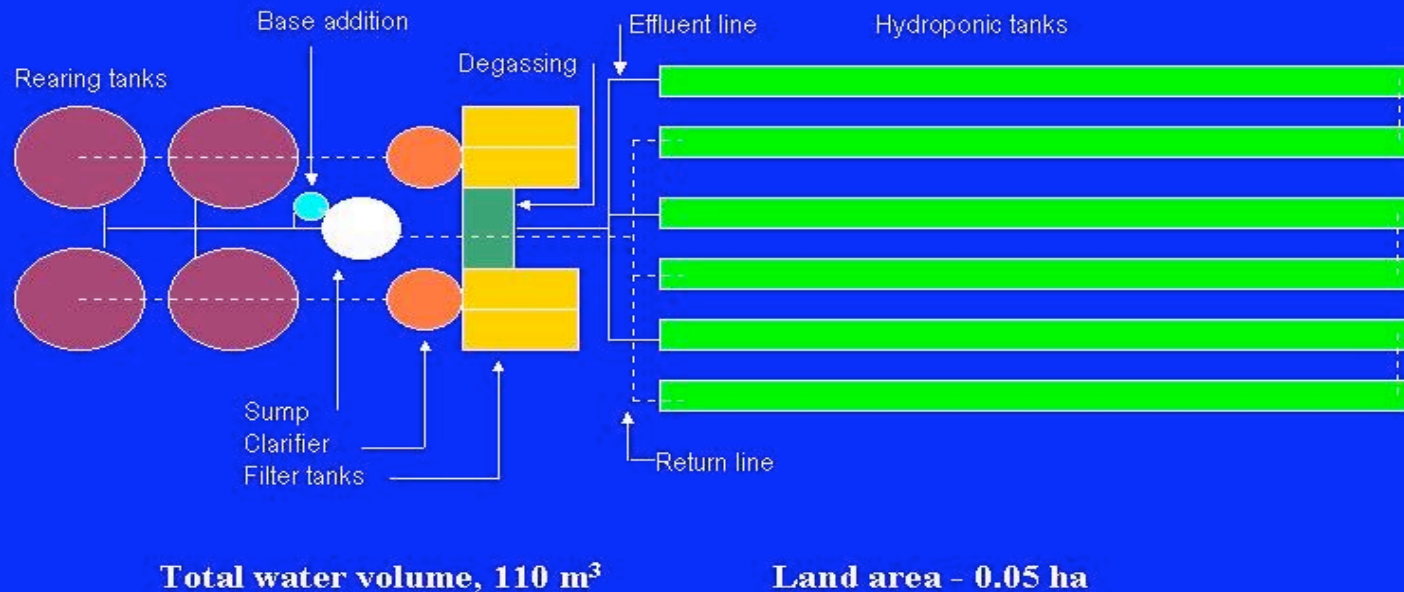
4 tank system (fish side)



4 tank system (veggie side)



# Aquaponic System



4 Tank system

11k lbs of fish/year (!);

14k lbs of veggies

1/8 Acre, 5000 sq ft; 450gal H<sub>2</sub>O/day



1 tank system



result: fish and veggies



How it works

Fish



mating tanks (with the huppa)  
logan catching female





female with eggs in mouth



glass tank for hatching



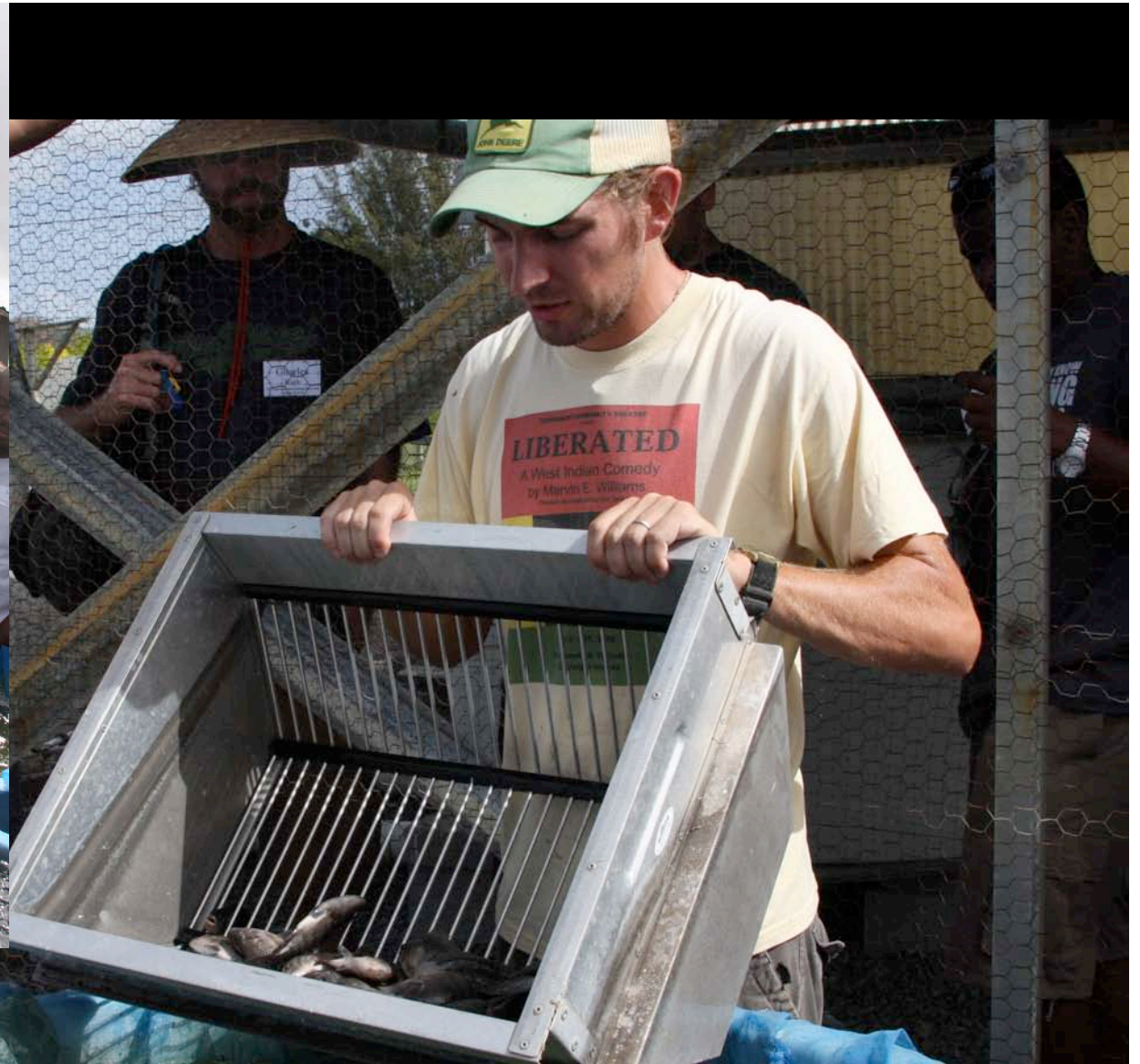
sex change to all males using  
synthetic testosterone





Feed pellets change as fish grow





nursery





lots of fish in a tank





4 tank system



harvest fish





fillet a fish



# Vegetables



nursery





planting in rafts





good growth in rafts





rafts

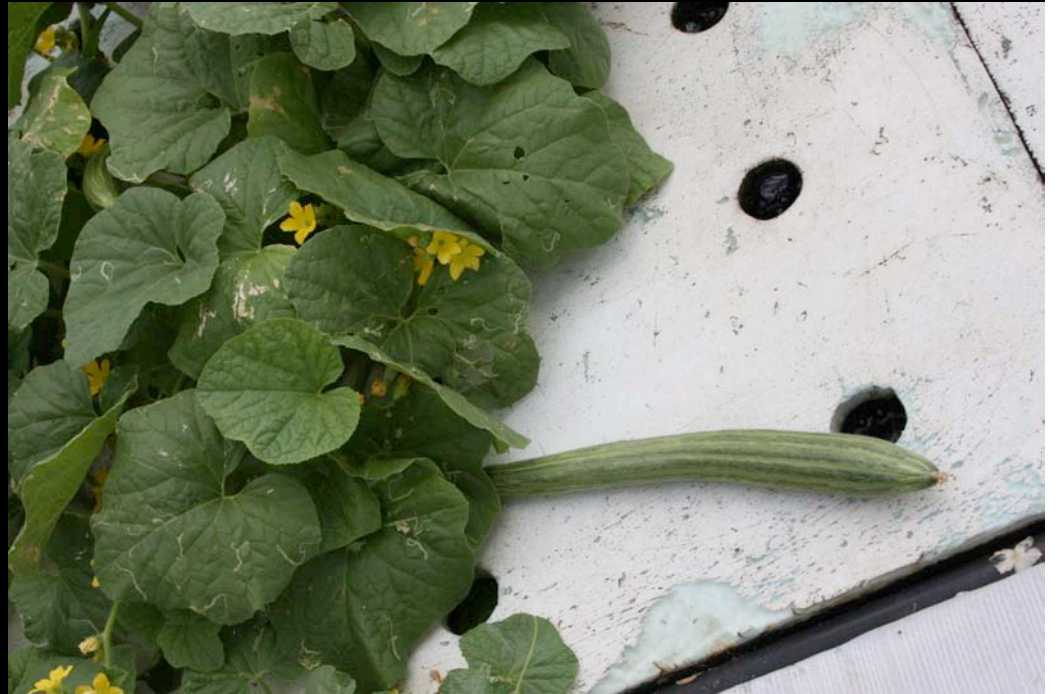


tomatoes





okra



cucumber and zucchini





basil





lettuce



watercress





chive





chamomile



squash





parsley



cantaloupe





zinnia



harvesting a raft





harvest into boxes



Food Store





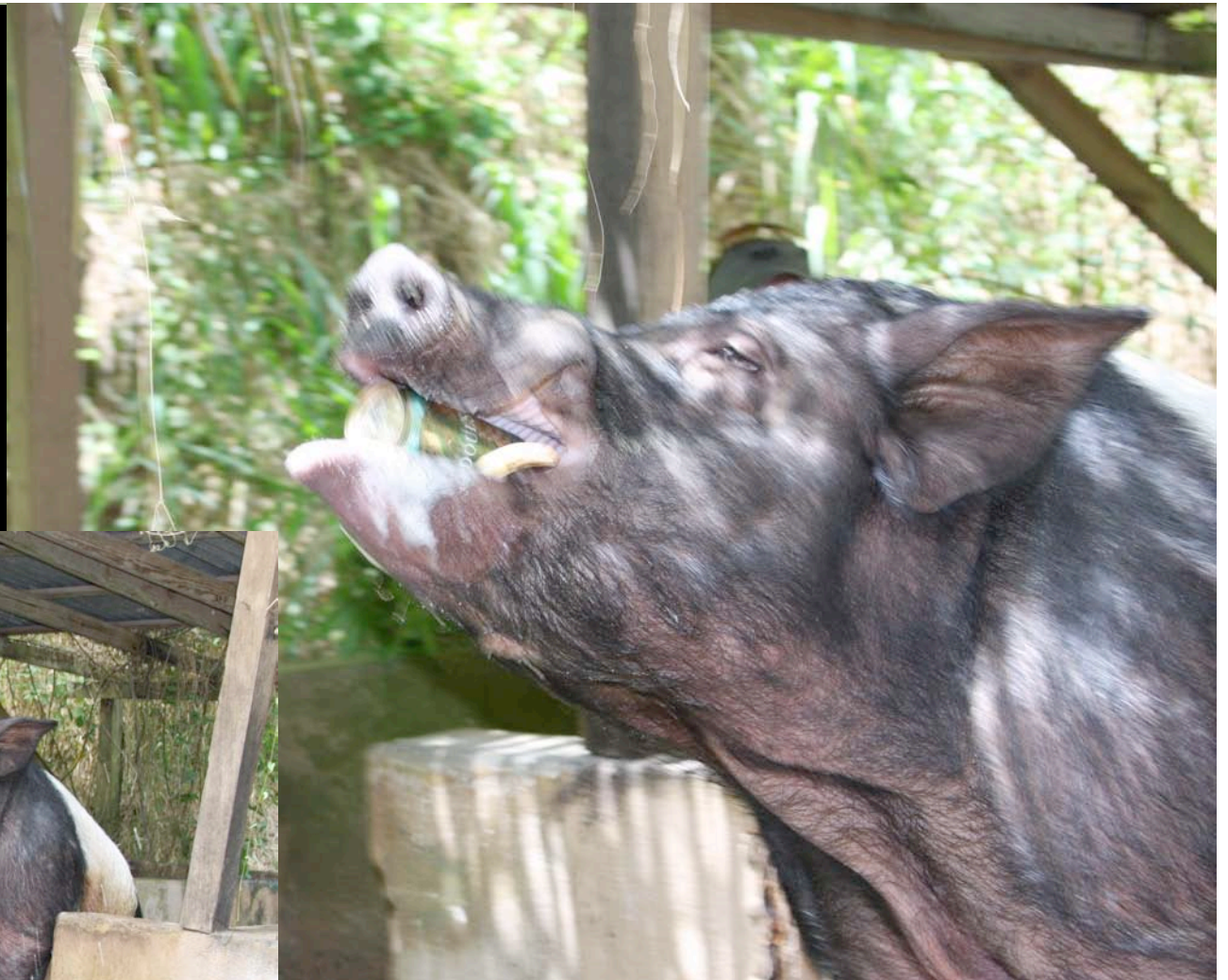
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full team at uvi



Other fun



beer drinking pig





happy pig



happy logan